

REMARKS

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

This amendment adds, changes and/or deletes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

Claims 34-43 are requested to be cancelled without prejudice and disclaimer. Claims 44-53 are being added. Support for the amendments can be found throughout the Specification, for example in the paragraphs starting from Page 5, Line 26, the paragraphs starting from Page 10, Line 2, and the original claims 14, 19 and 24. No new matter is added.

After amending the claims as set forth above, claims 44-53 are now pending in this application.

I. Claim Rejections under 35 U. S. C. § 103

Claims 34, 35, 37 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phillips et al. (US 4,889,319, hereinafter Phillips '319), further in view of Yoshiro et al. (English translation of JP 2002-310302, hereinafter Yoshiro '302), Horsky et al. (US 2003/0230986, hereinafter Horsky '986), and Yamazaki (US 2002/0132047, hereinafter Yamazaki '047). US 2007/0037922 and US 3,114,778 are cited for definition of perfluoroelastomer. Claim 36 is rejected under 35 U.S.C. 103(a) as being unpatentable over Phillips '319, Yoshiro '302 and Horsky '986, further in view of Fareed et al. (US 2002/0058107, hereinafter Fareed '107). Claim 39 is rejected under 35 U.S.C. 103(a) as being unpatentable over Phillips '319, Yoshiro '302 and Horsky '986, further in view of Hisaharu et al. (English translation of JP 06-17803, hereinafter Hisaharu '803). Claims 36 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Phillips '319, Yoshiro '302 and Horsky '986, further in view of Ji et al. (US 2003/0098419, hereinafter Ji '419).

Applicants do not concede that any of the above rejections are proper. Solely in the interest of the expedition, claims 34-41 are cancelled without prejudice and disclaimer.

Applicants respectfully request a withdrawal of the section 103 rejections in view of the cancellation of the claims.

II. New Claims 44-53

Newly added independent claim 44 recites “a deposition source container to be filled with a deposition material, the deposition source container having an inner surface formed by a material for suppressing catalytic properties between the inner surface and the deposition material.” One advantage is that the quality of a film deposited by using the claimed deposition source container can be improved due to the reduced decomposition of the deposition source.

Yamazaki ‘047 discloses a crucible made of a transparent material, such as quartz and glass (containing silicon dioxide and boron oxide). Figures 3 and 6 teaches that vaporization sources may be positioned in a film forming chamber 301 and 601. In addition, Paragraph [0134] of Yamazaki ‘047 describes materials used for the inside of each treatment chamber such as a load chamber, an alignment chamber, a film forming chamber, a sealing chamber, and an unload chamber. Such a chamber may have an inner wall surface formed by aluminum, stainless steel, or the like. An inner member is made of a material such as ceramics treated so as to have a decreased number of pores. The materials have a surface roughness so as to obtain an average surface roughness of 5 nm or less (preferably, 3 nm or less) (Yamazaki ‘047, Paragraph 0134). Moreover, an active surface may be formed on an inner wall of the film forming chamber by using a material that is likely to react with a gas. In this case, Ti, Zr, Nb, Ta, Cr, Mo, W, La, Ba, and the like may be used (Yamazaki ‘047, Paragraph [0135]).

However, no teaching is made at all in Yamazaki ‘047 regarding the adverse influence due to catalysis, which causes a reduction of the film quality. Further, Yamazaki ‘047 is completely silent with regard to the relationship between the materials of the inner member

and the deposition material (e.g., organic compounds to be deposited), more specifically the catalytic properties between the materials of the inner member and the deposition material, as recited in claim 44.

Phillips '319, Yoshiro '302, Horsky '986, Hisaharu '803, Fareed '107 and Ji '419 are recited for disclosing other features of the claims, but fail to cure the deficiencies of Yamazaki '047 explained above.

Claims 45-53 depend from claim 44, and thus are patentable for at least the same reasons as claim 44.

Applicants respectfully submit that the newly added claims 44-53 are patentable over the prior art.

III. Conclusion

Applicants believe that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.


The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing or a credit card payment form being unsigned, providing incorrect information resulting in a rejected credit card transaction, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith,

Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorize payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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By 

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